

REMARKS

Claims 12, 20, 24, 35, 38-41, and 43-44 have been amended. Claims 16, 27, and 37 have been canceled. Thus, Claims 12, 14, 17-24, 26, 28-35, and 38-44 are pending in this application.

II. Claim Objections under 35 U.S.C. §112

Claims 20 have been objected to because of informalities. Claim 20 has been amended to depend from claim 12 as proposed by the Examiner.

III. Claim Rejection under 35 U.S.C. §102 and §103

The Examiner rejected claims 24, 28-30, 32-35, 38-40 and 42-44 under 35 U.S.C. §102(e) as being anticipated by Seshan. The Examiner furthermore rejected claims 12, 14, 17-19, 21-23, and 26 under 35 U.S.C. §103(a) as being unpatentable over Seshan in view of Bezama. Applicant amended independent claims 12, 24, and 35 to include the limitations of former claims 16, 27, and 37, respectively. Thus, Applicant believes that the independent claims 12, 24, and 35 are patentable in view of the prior art.

The Examiner rejected the dependent claims 16, 27, and 37 as being unpatentable over Seshan in view of Kragl. Applicant respectfully disagrees. Kragl does not disclose the features of former dependent claims 16, 27, and 37. The Examiner stated that Kragl discloses coinciding vias that form a portion of the cooling loop. Applicant carefully studied Kragl but could not identify such a structure. On the contrary, the only vias shown in Kragl are vias 122 and 22 in Figs. 6 and 7. However, these vias are not part of the cooling loop. These through holes are hover filled with metal and are solely used for electrical conductive connection. See in particular col. 7, lines 15-19. Fig. 8 of Kragl shows that there is no connection between the electrical conductive connection formed by the through holes and cooling channel 34. Thus, this limitation of coinciding vias forming a portion of the coolant loop/channel is not obvious from the prior art because the prior art in fact teaches away from such a solution.

The dependent claims 14, 17-23, 26, 28-34, and 38-44 are dependent claims and, thus, include all the limitations of the respective independent claims. Therefore, these claims are patentable at least to the extent of the respective independent claims.

SUMMARY

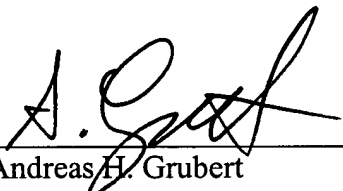
In light of the above remarks, reconsideration and withdrawal of the outstanding rejection is respectfully requested. It is further submitted that the application is now in condition for allowance and early notice of the same is earnestly solicited. Should the Examiner have any questions, comments or suggestions in furtherance of the prosecution of this application, the Examiner is invited to contact the agent of record by telephone or facsimile.

Applicants do not believe that any other fees are due at this time; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to this document, the Commissioner is authorized to deduct the fees from Deposit Account No. 02-0383, (*formerly Baker & Botts, L.L.P.*) Order Number 068736.0111.

Respectfully submitted,

BAKER BOTTS L.L.P.

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